



06-19-03 3679  
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C. Donald Gunn  
(1936-1999)

P-7627

June 17, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RE: U.S. Patent Application Serial No. 09/989,512 filed November 20, 2001 entitled  
"Submersible Pump Drop Pipe and Casing Assembly Connection and Method of  
Manufacture"

Dear Sir:

Enclosed please find the following items for filing on the above referenced patent  
application:

1. Response to Office Action of June 11, 2003 with Certificate of Mailing

Please stamp the enclosed acknowledgment card with the date of receipt and return to my  
office.

Sincerely,

Michelle L. Evans

Enclosures

cc: Morris Haney

MLE/ks

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JUN 23 2003  
**GROUP 3600**

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## CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", as follows:

<p>37 CFR 1.8(a)</p> <p><input type="checkbox"/> With sufficient postage as First Class Mail.</p> <p>Date: _____, 2003</p>	<p>37 CFR 1.10</p> <p><input checked="" type="checkbox"/> As "Express Mail Post Office to Addressee", Mailing Label No. <u>EV 097876963 US</u></p> <p>Date: <u>June 18</u>, 2003</p>
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**GROUP 3600**

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**FAX COVER SHEET**

**P-7627**

**DATE:** August 1, 2003

**TO:** Examiner David Bochina

**COMPANY:** U.S. Patent and Trademark Office

**FAX:** 703/746-3578

**FROM:** Ted D. Lee

**RE:** U.S. Patent Application Serial No. 09/989512

**No. of pages (including this cover sheet):** 6

**MESSAGE:** Please see attached letter and claims.

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C. Donald Gunn  
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P-7627

August 1, 2003

Commissioner for Patents  
Washington, D.C. 20231

ATTN: Examiner David Bochina

RE: U.S. Patent Application Serial No. 09/989512, Filed November 20, 2001, for "Submersible Pump Drop Pipe and Casing Assembly Connection and Method of Manufacture"

Dear Examiner Bochina:

In preparation for our interview scheduled for 10:00 a.m. EST on Friday, August 8, 2003, at your office located in Crystal Park 5, Suite 2X04, enclosed you will find proposed new claims 18 - 23.

Accompanying me will be the co-inventor, Morris Haney. Mr. Haney will want to talk about secondary considerations of patentability under *Graham v. John Deere*, 383 U.S. 1 (1966), namely, (a) long-felt need in the community, (b) failure of others to satisfy that need, and (c) commercial success of the invention, including copying by others.

My current thought is to withdraw the prior responses to Office Actions of March 21, 2003, and June 11, 2003, cancel apparatus claims 1 - 8, and substitute in place thereof the enclosed claims 18 - 23.

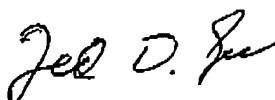
The language I propose in independent claim 18 will distinguish over the prior art you cited and we pointed out in our Information Disclosure Statement.

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Trade Secrets, Licensing, and Related Litigation

Examiner David Bochina  
August 1, 2003  
Page Two

I know you will be on vacation when this is received, but if you have any questions, feel free to communicate with me by fax, telephone or e-mail.

Sincerely,



Ted D. Lee  
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tedlee@gunn-lee.com

TDL/sam  
Enclosure

cc w/encl: Morris Haney

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Trade Secrets, Licensing, and Related Litigation

Received from <210 886 9883> at 8/1/03 3:25:59 PM [Eastern Daylight Time]

, chloride?

18. A polyvinyl chlorine (PVC) pipe of a predetermined interior diameter that has lateral strength when connected to a similar adjacent PVC pipe, said PVC pipe comprising:
- a male end of said PVC pipe which has external threads;
  - a female end of said PVC pipe;
  - a first enlarged interior diameter of said PVC pipe at said female end, said first enlarged interior diameter being larger than said predetermined interior diameter and having internal threads to mate with said external threads of said male end for said similar adjacent PVC pipe;
  - a second enlarged interior diameter being larger than said first enlarged interior diameter and terminating said PVC pipe at said female end, said second enlarged interior diameter being (a) slightly larger in diameter than said male end of said similar adjacent PVC pipe to receive said male end therethrough and (b) long enough to provide said lateral strength when connected to said similar adjacent PVC pipe;
  - said male end and said second enlarged interior diameter at said female end funneling said PVC pipe and said similar adjacent PVC pipe together.

19. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in claim 18 wherein said male end or said female end is beveled to aid said funneling.

20. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in claim 18 wherein said first enlarged interior diameter of said female end PVC pipe is formed by expanding said female end while heated and pliable.

*- product by process*

21. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in claim 18 wherein a connection with said similar adjacent PVC pipe will withstand approximately 1000 pounds of lateral force without leaking if said PVC pipe is a 2 inch diameter PVC pipe or proportionate amounts of lateral force for different diameter PVC pipe.

22. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in claim 18 wherein said external threads and said internal threads are triangularly threaded.

23. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in claim 18 wherein said external threads and said internal threads are squarely threaded.